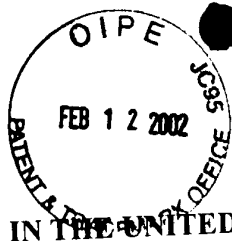


PUNIV.002A



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Bassler, et al.)
App. No. : 09/853,257)
Filed : May 10, 2001)
For : LUXO-SIGMA54 INTERACTIONS)
AND METHODS OF USE)
Examiner : Unknown)

ESTABLISHMENT OF RIGHT OF ASSIGNEE TO TAKE ACTION
AND
REVOCATION AND POWER OF ATTORNEY

Assistant Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

The undersigned is empowered to act on behalf of the assignee below (the "Assignee"). A true copy of the original Assignment of the above-captioned application from the inventor(s) to the Assignee is attached hereto. This Assignment represents the entire chain of title of this invention from the Inventor(s) to the Assignee.

I declare that all statements made herein are true, and that all statements made upon information and belief are believed to be true, and further, that these statements were made with the knowledge that willful, false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. § 1001, and that willful, false statements may jeopardize the validity of the application, or any patent issuing thereon.

The undersigned hereby revokes any previous powers of attorney in the subject application, and hereby appoints the registrants of Knobbe, Martens, Olson & Bear, LLP, 620 Newport Center Drive, Sixteenth Floor, Newport Beach, California 92660, Telephone (949) 760-0404, **Customer No. 20,995**, as its attorneys with full power of substitution and

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revocation to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected herewith. This appointment is to be to the exclusion of the inventor(s) and his attorney(s) in accordance with the provisions of 37 C.F.R. § 3.71.

Please use **Customer No. 20,995** for all communications.

PRINCETON UNIVERSITY

Dated: January 17, 2002

By: Allen J. Sinigalli
Allen S. Sinigalli

Allen J. Sinigalli
Title: **Associate Provost for
Research & Project Admin.**

Address: Fourth Floor, New South Building
P.O. Box 36
Princeton, New Jersey 08544-0036

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ASSIGNMENT

WHEREAS, We, Bonnie L. Bassler, a United States citizen, residing at 39 Pine Street, Princeton, New Jersey 08542, and Brendan N. Lilley, a United States Citizen, residing at 120 Riverway, #11, Boston, Massachusetts 02215-4119 have invented certain new and useful improvements in a LUXO-SIGMA54 INTERACTIONS AND METHODS OF USE for which we have filed an application for Letters Patent in the United States, Serial No. 09/853,257 filed on May 10, 2001;

AND WHEREAS, Princeton University (hereinafter "ASSIGNEE"), a New Jersey University, with its principal place of business at Fourth Floor, New South Building, Post Office Box 36, Princeton, New Jersey 08544-0036, desires to acquire the entire right, title, and interest in and to the said improvements and the said Application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said inventors, do hereby acknowledge that we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in, to and under the said improvements, and the said application and all provisional applications relating thereto, and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and we hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 9 day of Jan, 2002

Bonnie L. Bassler
Bonnie L. Bassler

STATE OF NEW JERSEY
COUNTY OF MERCER } ss.

On JAN 9th 2002, before me, ELENA CHIARCHIARO, personally appeared Bonnie L. Bassler personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that she executed the same in the authorized capacity(ies), and that by she signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

Elena Chiarchiaro
Notary Signature CHIARCHIARO
Notary Public
State of New Jersey
My Commission Expires Dec 06, 2005

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IN TESTIMONY WHEREOF, I hereunto set my hand and seal this ____ day of _____, 20__.

Brendan N. Lilley

STATE OF

COUNTY OF

}
}
} ss.

On _____, before me, _____, personally appeared Brendan N. Lilley personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that she executed the same in she authorized capacity(ies), and that by she signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

Notary Signature

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ASSIGNMENT

WHEREAS, We, Bonnie L. Bassler, a United States citizen, residing at 39 Pine Street, Princeton, New Jersey 08542, and Brendan N. Lilley, a United States Citizen, residing at 120 Riverway, #11, Boston, Massachusetts 02215-4119 have invented certain new and useful improvements in a LUXO-SIGMA54 INTERACTIONS AND METHODS OF USE for which we have filed an application for Letters Patent in the United States, Serial No. 09/853,257 filed on May 10, 2001;

AND WHEREAS, Princeton University (hereinafter "ASSIGNEE"), a New Jersey University, with its principal place of business at Fourth Floor, New South Building, Post Office Box 36, Princeton, New Jersey 08544-0036, desires to acquire the entire right, title, and interest in and to the said improvements and the said Application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said inventors, do hereby acknowledge that we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in, to and under the said improvements, and the said application and all provisional applications relating thereto, and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and we hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this ____ day of _____, 20__.

Bonnie L. Bassler

STATE OF

COUNTY OF

}
} ss.
}

On _____, before me, _____, personally appeared Bonnie L. Bassler personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that she executed the same in she authorized capacity(ies), and that by she signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

Notary Signature

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IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 10th day of January, 2002

Brendan N. Lilley
Brendan N. Lilley

STATE OF Massachusetts }
COUNTY OF Suffolk } ss.

On January 10, 2002, before me, Janet Maher, personally appeared Brendan N. Lilley personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that she executed the same in she authorized capacity(ies), and that by she signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

Janet Maher
Notary Signature

JANET MAHER, Notary Public
My Commission Expires May 19, 2006

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